

<u>Name</u>	<u>Time (Sec.)</u>	
Jake	420	
Taylor	240	
Alyssa	360	
Brian	420	
Danielle	420	
Alexis	420	
Halie	420	
Kayla	480	
Alysia	480	
Coulton	480	25%
Jeff	480	
Tyler	480	
Nick	540	
Rachel	480	
Danae	540	
Alex	600	
Julie	660	
Victor	900	

$$\bar{x} = 490$$

$$\frac{240}{\text{Min}}$$

$$\frac{420}{Q_1}$$

$$\frac{480}{\text{Med}}$$

$$\frac{540}{Q_3}$$

$$\frac{900}{\text{Max}}$$

Min

Q₁

Med

Q₃

Max

<u>Name</u>	<u>Time (s)</u>	
Matt C	810	
Morgan C	833	
Courtney S	720	
Abigail C	480	
Lauren M	461	
Kalee P	600	
Makenna K	900	
Shauna F	960	
Jen S	960	
KIM	1080	
Alison	1140	
Andrew Stuhr	1085	
Emily	960	
Karley S	1140	
KaYsE	780	
Amanda	1140	
Tori	1440	

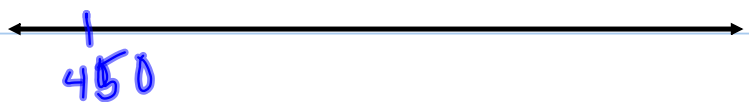
$$\bar{x} = 911 \text{ s}$$

mean

$$n = 17$$

$$\frac{461}{\text{min}} \quad \frac{750}{Q_1} \quad \frac{960}{\text{Med}} \quad \frac{1112.5}{Q_3} \quad \frac{1440}{\text{Max}}$$

Box and Whisker Plot



<u>Name</u>	<u>Time (min)</u>
Christine	10
Brian	7
Lexi	14
Ashley	14
Rachel	12
Sarah H	17
Alicia	16
Jessie	17
Sarah K	22
Sasha	21

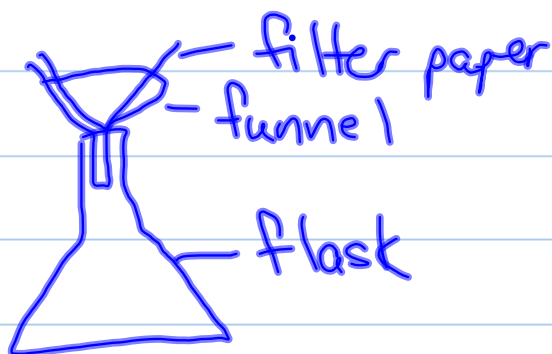
4/7/11 Solubility

hypothesis: Both compounds will dissolve in water.

IV: type of solute

levels: ZnO and CuSO_4

DV: whether or not the solute dissolves in water.



4/7/11 Mixtures (continued)

zinc oxide ZnO

copper II sulfate CuSO_4

safety - don't touch chemicals

eye protection

don't inhale chemicals

Question: Do the zinc oxide and copper II sulfate dissolve in water.

Hypothesis:

Independent variable - the solute
levels: ZnO , CuSO_4

Dependent variable - whether or
not the solute dissolves

observations

ZnO

The ZnO was white and powdery.

Sank - more dense than water.

Did not dissolve.

Filtrate was clear and
there was residue on the
filter paper.

